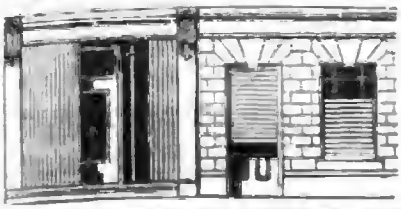

## CLARK AND CO.

31, CHANCERY-LANE, AND TUNNEL IRONWORKS, WAPPING,

ENGINEERS AND MANUFACTURERS OF

PATENT REVOLVING IRON SHUTTERS.
PATENT REVOLVING WOOD SHUTTERS.
DRAWN BRASS SASH-BARS AND STALL-BOARD PLATES.

Messrs. CLARK and CO. beg to refer Architects and Builders to the advertisement inserted in "The Builder" of April 10th, by Messrs. BUNNETT and CO.; also to their own advertisement inserted in "The Builder" of 20th of February, respectfully requesting them to draw their own conclusions.

## BUNNETT AND CO. ENGINEERS AND FOUNDERS,

26, LOMBARD-STREET, LONDON, AND DEPTFORD, KENT,

**ORIGINAL PATENTEES OF REVOLVING IRON AND WOOD SHUTTERS,**

AND OF THE

**NEW PATENT CURVILINEAR REVOLVING IRON SHUTTER,**

For which the PRIZE MEDAL of the GREAT EXHIBITION of 1851 was awarded.

BUNNETT and CO. are also the ORIGINAL PATENTEES and MANUFACTURERS of

**DRAWN METAL SASH-BARS, FOR SHOP FRONTS, SKYLIGHTS, &c.**

MOULDED BRASS STALL PLATES, INTERNAL AND EXTERNAL BRASS FITTINGS,
And Cast, Drawn, or Stamped Metal Work of every description.

BUNNETT and Co. invite comparison, and challenge competition, either in Style, Quality, or Price.

PIERCE'S PYRO-PNEUMATIC STOVE GRATES, being the original and only PURE WARM AIR STOVES that are constructed wholly of the FINEST PREPARED FIRE-CLAY, having no iron whatever in connection with the warming surfaces, producing healthful warmth, ventilation, and comfort, combined with economy. The medium of obtaining the cold external atmosphere into pleasant rarefied air is particularly adapted for

CHURCHES, BANKING HOUSES, OFFICES, ENTRANCE-HALLS, INFANT AND OTHER SCHOOLS, INVALIDS' APARTMENTS, &c.

Its cheerful open fire and elegant appearance render it equally applicable to the drawing or dining-room, where purity of air is essentially important.

Price 7l.; 8l. 10s.; and 12l. 10s.

It may be seen in daily use at the University Hall, Gordon-square; the Polytechnic Institution; Westminster Chapel; Lloyd's Registry of Shipping, Cornhill; Guy's Hospital; the Bank of Messrs. Alexander and Co. Lombard-street; Office of "The Builder;" and at the Manufactory, 8, Jermyn-street.

PIERCE'S UNIVERSAL FIRE-LUMP GRATES, made of the finest prepared fire-clay, in one entire piece, very strong, with large capacious hobs and trivet, and will burn either wood, coal, coke, or peat.

Price from 12s. 6d. to 3ns.

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Sole Agent for NICHOLSON'S PRIZE COTTAGER'S RANGE, NEW PATENT COOKING STOVE, &c. &c.

**IRON ROOF WORKS.**

By Royal Letters Patent.

JOHN WALKER, SON OF THE PATENTEE, GENERAL CONTRACTOR,

Having extended his means for executing Orders, and Contracts for

CORRUGATED IRON BUILDINGS AND ROOFS,

Galvanized or otherwise, will be happy to wait, by appointment, on ARCHITECTS, ENGINEERS, &c.
Merchants are invited to ascertain his Prices for shipping Orders. The Trade supplied with Corrugated Iron, Plain or Galvanized, or Iron Corrugated. References to Firms of the first class.

FIRE-PROOF FLOORING.

The earnest attention of ARCHITECTS, ENGINEERS, &c. &c. is called to a particularly economical mode of creating Fire-proof Floors capable of sustaining great weight, without any thrust against the walls. Any information, with Estimates, Drawings, &c. may be obtained at the Offices.

63, GRACECHURCH-STREET, LONDON.

THE PATENT GALVANIZED IRON.

TUPPEN and CARR,
Owners of Crawford's Patents, and Successors to
THE GALVANIZED IRON COMPANY,
Supply patent Galvanized Sheets, plain or corrugated, for roofing &c. Water or Gas Pipes, Cisterns, Wire of all gauges, Guttering, Hooping, &c. Wholesale, retail, and for export.
An allowance to the trade.
WORKS—WILLWALL and BIRMINGHAM.
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IRON BUILDING and ROOFING WORKS,

BIRMINGHAM, late of Southwark
JOHN H. PORTER,
Manufacturer of the Corrugated and other kinds of Iron Roofing for railway stations, carriage sheds, farm buildings, gas-works, warehouses, factories, &c. &c.
PATENTEE
Of the Corrugated Iron Beams, Girders, and Fire-proof Floors.
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ARTESIAN WELLS, Boring for Water, Sinking Shafts, &c.—The Nobility, Gentry, Water Companies, Towns, Poor-law Unions, Public Baths, Breweries, Distillers, Paper-makers, Manufacturers of every description, may be SUPPLIED with any quantity by DAVID GREENLEY, Civil Engineer, and patentee of boring tools, 14, Cumming-street, Pentonville, London, who, having had upwards of twenty years' experience, is enabled to give the most satisfactory and highly respectable references. Pumps and machinery of every description for raising water from deep wells, boring tools, with suitable pipes, for exploration, with instructions. Fire and tools supplied to bore for railroads, minerals, &c.

PUMPS on HIRE!!!—TO CONTRACTORS, BUILDERS, AND OTHERS.—The largest STOCK in England of SINGLE and DOUBLE PUMPS, of a superior description, from 4 inch to double 16-inch barrel, and prepared for Hand or Steam Power, kept in the most perfect order, ready for use, on very reasonable terms, at BENJAMIN FOWLER'S Engine, Pump, and Hot Water Apparatus Manufactory, Whitefriars-street, Fleet-street, London. Hand-engine Frames, of various powers, for Wells of any depth, made on the most improved principles.

TO BUILDERS AND PLUMBERS.

The attention of the Trade is called to

JOHN WARNER & SONS'
PATENT VIBRATING STANDARD PUMP,

which is recommended for the simplicity of its construction, and the ease with which it works.

By the introduction of the vibrating standard, the cumbrous carriage and expensive slings and guides are unnecessary, rendering the price considerably less than pumps made on the old plan.

Beer and Water Engines for raising fluids from a depth not exceeding 30 feet; also, Garden Engines constructed on the same principle.

JOHN WARNER & SONS,
8, Cresent, Jewin-street, London,
Manufacturers and Patentees.

CHUBBS' LOCKS, FIRE-PROOF SAFES, AND CASH BOXES.

CHUBBS' PATENT DETECTOR LOCKS give perfect security from false keys and picklocks, and also detect any attempt to open them. They are made of all sizes, and for every purpose to which locks are applied, and are strong, secure, simple, and durable.

CHUBBS' PATENT LATCH, for front doors, counting house doors, &c. is simple in construction, less in price, and quite secure. The keys are particularly neat and portable.

CHUBBS' PATENT FIRE-PROOF SAFES, BOOKCASES CHESTS, &c. made entirely of strong wrought-iron, so as effectually to resist the falling of brick-work, timber, &c. in case of fire, and are also perfectly secure from the attacks of the most skilful burglars.

CHUBBS' CASH and DEED BOXES, fitted with the Detector Locks.

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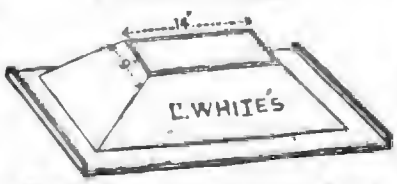
GREAT FIRES in MARK-LANE and SOUTHAMPTON-STREET, STRAND.—In these destructive Fires Deeds and Documents of immense value have been preserved uninjured by "LEADBEATER'S PATENT FIRE-PROOF SAFES," LEADBEATER'S STRONG WROUGHT-IRON FIRE-PROOF BOOK SAFES, CHESTS, and DOORS, for Strong Rooms, Plate Chests, and Pantry-walls, &c. of her make and possessing all the most recent improvements are the best depositories for property of every description in the world; extra-strong Cash and Deed Boxes, with Patent-of-Locks; Patent Detector Locks and Latches for all purposes. LEADBEATER, PATENTEE and MANUFACTURER of the much approved Ventilating and Down-draught-preventing CHIMNEY-POT. This desirable article is found to be the most effectual cure for Smoky Chimneys ever yet before the public, and is adapted to every style of Architecture.

A large assortment on hand at LEADBEATER'S MANUFACTORY, 186, ALDERSGATE-STREET, CITY of LONDON, where Prospectuses may be had.

LEADBEATER, many years Manufacturer for Chubb.

IMPORTANT TO BUILDERS.




REGISTERED CAST-IRON CHIMNEY-HOPPER and CHIMNEY BAR COMBINED, ensuring a perfect fermentation of the Flue, and rendering smoky chimneys impossible. One trial will ensure their adoption in every building.

Price from 7s. 6d. each, according to size.

| | 9 in. | 9 in. | 9 in. | 14 in. | 4 in. |
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| Rain water Pipe ... | 9d. .. | 9d. .. | 1s. .. | 1s. 3d. .. | 1s. 3d. per yard. |
| Extra Socket ..... | | | 6d. | 6d. | 7½d. |

O. G. gutters, each weighing STABLE FITTINGS, pumps, hand railing, cable and pipe posts, and COLUMNS with caps and bases, and every kind of builders' castings, in stock at LINCE WHITE'S Iron Wharf, Upper Ground street, London, near Blackfriars bridge.

REVOLVING SAFETY WOOD and IRON SHUTTERS.—SNOXELL, Patentee, 30 Regent-street, and at his steam works, 120, Old-street. These shutters have fully borne out their superiority over other revolving shutters for security, durability, and simplicity. References can be given to noblemen whose mansions are fitted therewith, and numerous large establishments where some are fitted measuring upwards of one hundred feet in one shutter, and which are opened and closed in a few moments with the greatest possible ease without the use of machinery. The Patentee manufactures Brass Sash Bars, Stall Board Plates, &c.

JENNINGS'S PATENT SHOP SHUTTER-SHOE and FASTENER costs HALF the PRICE of the usefulness SHUTTER BAR.

May be had from any Ironmonger, or from the Patentee, GEORGE JENNINGS, 38, Great Charlotte-street, Blackfriars-road.

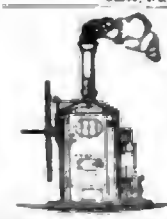
CHURCH BELLS of the highest quality of tone and finish, at 1s. per lb. Peals of bells recast and maximum to Houses in the with turned edges and wrought-iron clappers, at 10d. per lb. Orders as proportionately reduced prices.—Apply to BARRETT and OSBORNE, Bishopsgate Foundry, Shoreditch, London.

TO BELLHANGERS, IRONMONGERS, GASFITTERS, PEWTERERS, AND THE METAL TRADES IN GENERAL.

RICHARD EVERED, Nos. 10, 11, and 12, Charles-street, Long Acre, London, manufacturer and keeps in stock, at his Brass Foundry and General Metal Warehouse as above, Brass Corniche Poles, Rings, and Brackets, Lacquered Cock Tube for pasture-rods, window-rods, &c. &c.; Hinge-bolts, and Zinc tube; iron Brackets, Pendants, Vis Pipes, and iron Jamets of all description. Casings in patent in brass, lacquered and iron metal. Brass castings in the rough of gas pillars, brackets, &c. kept in stock, and every requisite for machines, &c.

LOSH, WILSON, and BELL,

NEWCASTLE-ON-TYNE,
Manufacturers of Bar Iron, Railway Bars, Forge and Engine Work, Cast-iron tunnels, and
STEWART'S PATENT CAST-IRON GAS and WATER PIPES
Office, No. 7, Gracechurch-street, London.



A SAVING of TIME and MATERIALS with all the of building.

NATHAN COUGHT'S PATENT PORTABLE STEAM-ENGINES, of 2, 3, 4, and 6 horse power, for grinding mortar, raising building materials, driving piles, circular saws, pumps, &c. 48, Albert-street, Manchester.

TESTIMONIAL

from Charles Barry, Esq. R.A.
2, Great George-street, Westminster, London, Oct. 27, 1858.

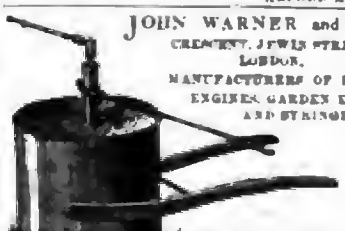
Mr. Nathan Cough.

Sir,—I have, for Mr Barry, the pleasure of replying to your request of the 6th inst., for a testimonial of the working of three steam-engines you have supplied in the New Houses of Parliament at Westminster by saying that they have fully answered the purposes for which they were required, viz. hoisting the building materials, and two of the three have been at work for some years, with very little repairs, and with considerable economy of fuel.—I am, Sir, your obedient servant,

For pro CHARLES BARRY,
ALFRED BERSON.

JOHN WARNER and SONS,

CRESCENT, JEWIN-STREET,
LONDON,
MANUFACTURERS OF FIRE ENGINES, GARDEN ENGINES AND SYRINGES.



Galvanized Iron Tub Garden Engine, with Warner's Registered Syringes, is strongly recommended for durability and low price, viz. 3l.

May be obtained of any Ironmonger in Town and Country.

FIRE-PROOF CONSTRUCTION.—FOX and BARRETT'S PATENT.—The great importance of fire-proof construction is shown by the recently published returns of fires in London during the past year, by which it appears that there is a considerable increase as compared with former years, the number actually exceeding 1,000, or an average of three per day.

This result affords strong corroboration of a fact stated upon high authority, THAT NO BUILDING IN WHICH TIMBER JOISTS ARE USED IS PRACTICALLY SECURE FROM THE DANGER OF FIRE; and when to this fact it is added that timber is also liable to dry-rot and the ravages of insects and vermin, for which it affords a ready harbour, the mischief arising from its extensive use will be sufficiently apparent.

It becomes, then, worth the attention of those who are interested in building, to inquire whether materials of an incombustible nature cannot be substituted for timber in the construction of floors, &c., without incurring additional cost; and attention is invited to a number of buildings of all classes, either finished or in course of erection, upon the above improved system, in which joists, either of rolled or cast iron, are substituted for timber, together with a solid superstructure of concrete, adapted to receive a finished surface of floor or roof of any kind.

Among the buildings at present in progress in London on this system is the new GUY'S HOSPITAL, an extensive range providing accommodation for 300 additional beds; and for building of this description, and magnitude, as well as for PRIVATE DWELLING-HOUSES, OFFICES, WAREHOUSES, &c. it possesses very great advantages.

A detailed description of the system, estimates, and all further information, may be obtained on application to the Proprietor of the patent.

Mr. BARRETT, Bee Fox and Barrett,
13, York-buildings, Adelphi,
where offices form part of a building erected on this principle, and where specimens of the rolled iron joists may be seen.